

ABSTRACT OF THE DISCLOSURE

A Trie-type associative memory is used for an analysis of binary strings situated at defined locations of data packets. An analysis tree is established, which comprises stages associated with the locations, and paths each arriving at an action attributed on the basis of the values of the binary strings read from a data packet. The tree is then transcribed into the Trie memory.

the *Journal of the Royal Society of Medicine* and *Journal of Clinical Pathology* in 1958 and 1959.